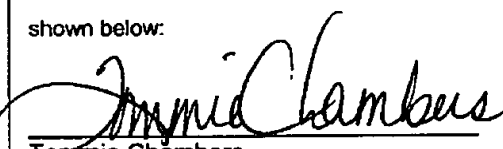


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From: W. Daniel Swayze, Jr.
Texas Instruments Incorporated
Facsimile: 972-917-4418
Phone: 972-917-5633

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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<input type="checkbox"/> CONTINUATION APP'N (# Pages)	<input type="checkbox"/> ADDRESS
<input type="checkbox"/> DIVISIONAL APP'N	
NAME OF INVENTOR(S): Bottrill	
RECEIPT DATE & SERIAL NO.: Serial No.: 09/990,836 Filing Date: 11/14/2001	
TITLE OF INVENTION: A PRE-ZERO CROSSING SIGNAL GENERATOR FOR SINUSOIDAL VOLTAGES WITH DC OFFSETS SUCH AS TELEPHONE RING VOLTAGES	
TI FILE NO.: TI-32770	DEPOSIT ACCT. NO.: 20-0668
FAXED: 12-10-04 DUE: 11/13/2004 ATTY/SECY: WDS/rtc	

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Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265

DEC 10 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bottrill
Serial No: 09/990,836
Filed: 11/14/2001
For: A PRE-ZERO CROSSING SIGNAL GENERATOR FOR SINUSOIDAL
VOLTAGES WITH DC OFFSETS SUCH AS TELEPHONE RING
VOLTAGES

Docket No: TI-32770
Examiner: Pham, Tuan
Art Unit: 2643

AMENDMENT UNDER 37 C.F.R. § 1.115

Assistant Commissioner For Patents
Washington, DC 20231

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Office at 703-872-9306 on 12-10-04

Tommie Chambers
Tommie Chambers

Dear Sir:

Responsive to the Office Action mailed August 13, 2004 in connection with the
above identified application, Applicants respectfully submit the following amendments
and remarks.

TI-32770 - 1 -